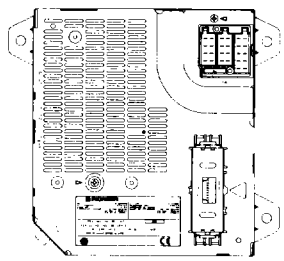
Service Manual

PIONEER®
The Art of Entertainment
RENAULT



ORDER NO.
CRT1908

SYSTEM CONTROL UNIT

SCU-2056ZRN EW

VEHICLE	DESTINATION	PRODUCED AFTER	RENAULT PART No.	ID No.	PIONEER MODEL No.
MATRA ESPACE	EUROPE	JULY 1996	6025 30 1081	——	SCU-2056ZRN/EW

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1. SPECIFICATIONS

General

Power source ..... 14.4V DC(10.5-16.0V allowable)
Ground system ..... Negative type
Weight 1.1kg

Amplifier

Maximum power output 15W
Continuous power output 7W
Load impedance ..... 4Ω(4-8Ω allowable)
Tone controls
(Bass) ..... ± 10dB(100Hz)
(Middle) ..... ± 10dB(1kHz)
(Treble) ..... ± 10dB(10kHz)

FM tuner

Frequency range ..... 87.5 - 108MHz
Usable sensitivity ..... 9dBf(1.0 μV/75Ω,mono,S/N:30dB)
40dB quieting sensitivity ..... 13dBf(1.7 μV/75Ω,mono)
Signal-to-noise ratio ..... More than 50dB
Distortion ..... Less than 1.0%(at 65dBf,1kHz)
Stereo separation ..... 25dB(at 65dBf,1kHz)

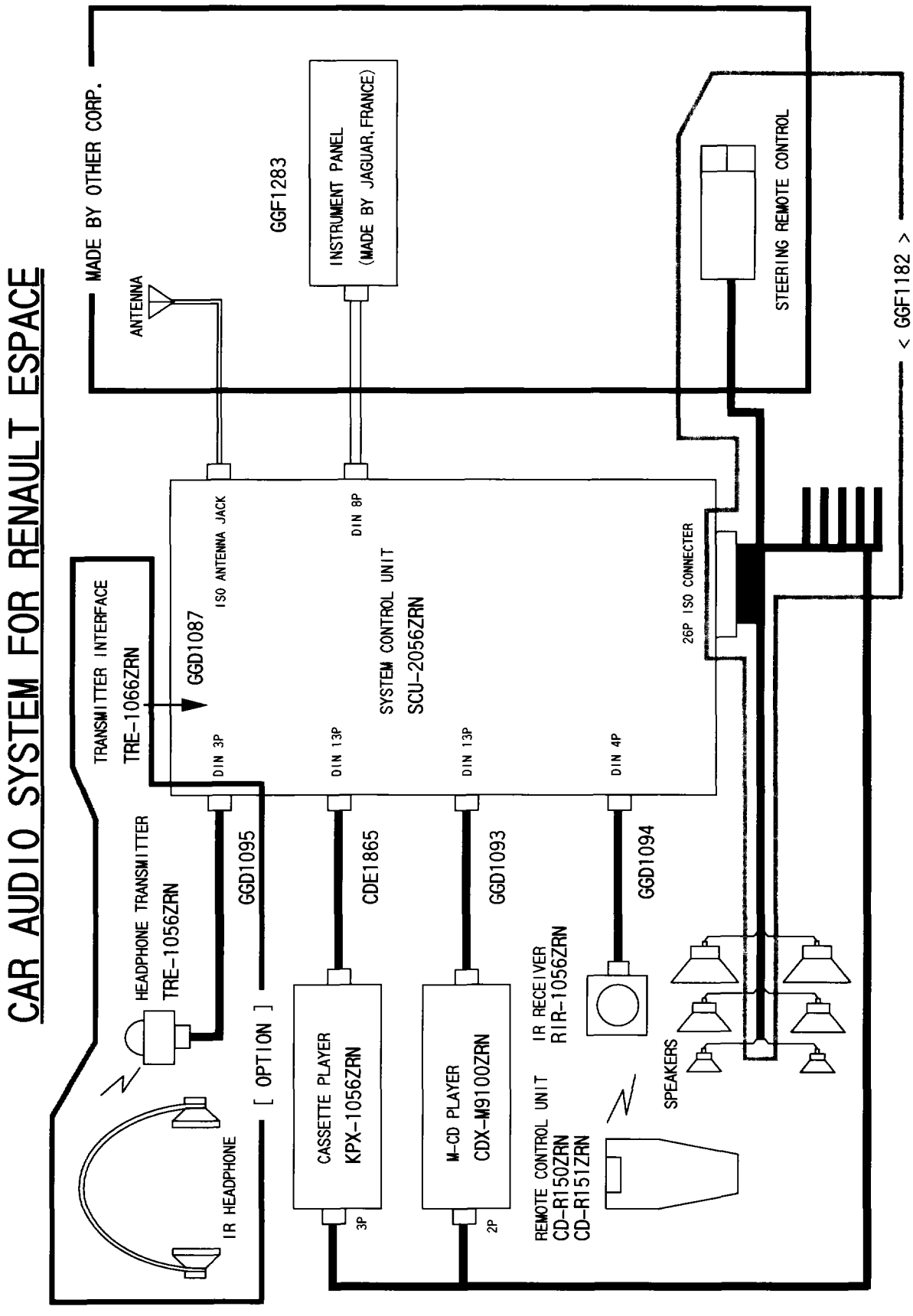
MW tuner

Frequency range ..... 531 - 1,602kHz
Usable sensitivity ..... 30dB(S/N:20dB)
Selectivity ..... 50dB(± 9kHz)

LW tuner

Frequency range ..... 153 - 281kHz
Usable sensitivity ..... 33dB(S/N:20dB)
Selectivity ..... 50dB(± 9kHz)

2. CAR AUDIO SYSTEM



3. CONNECTOR FUNCTION DESCRIPTION

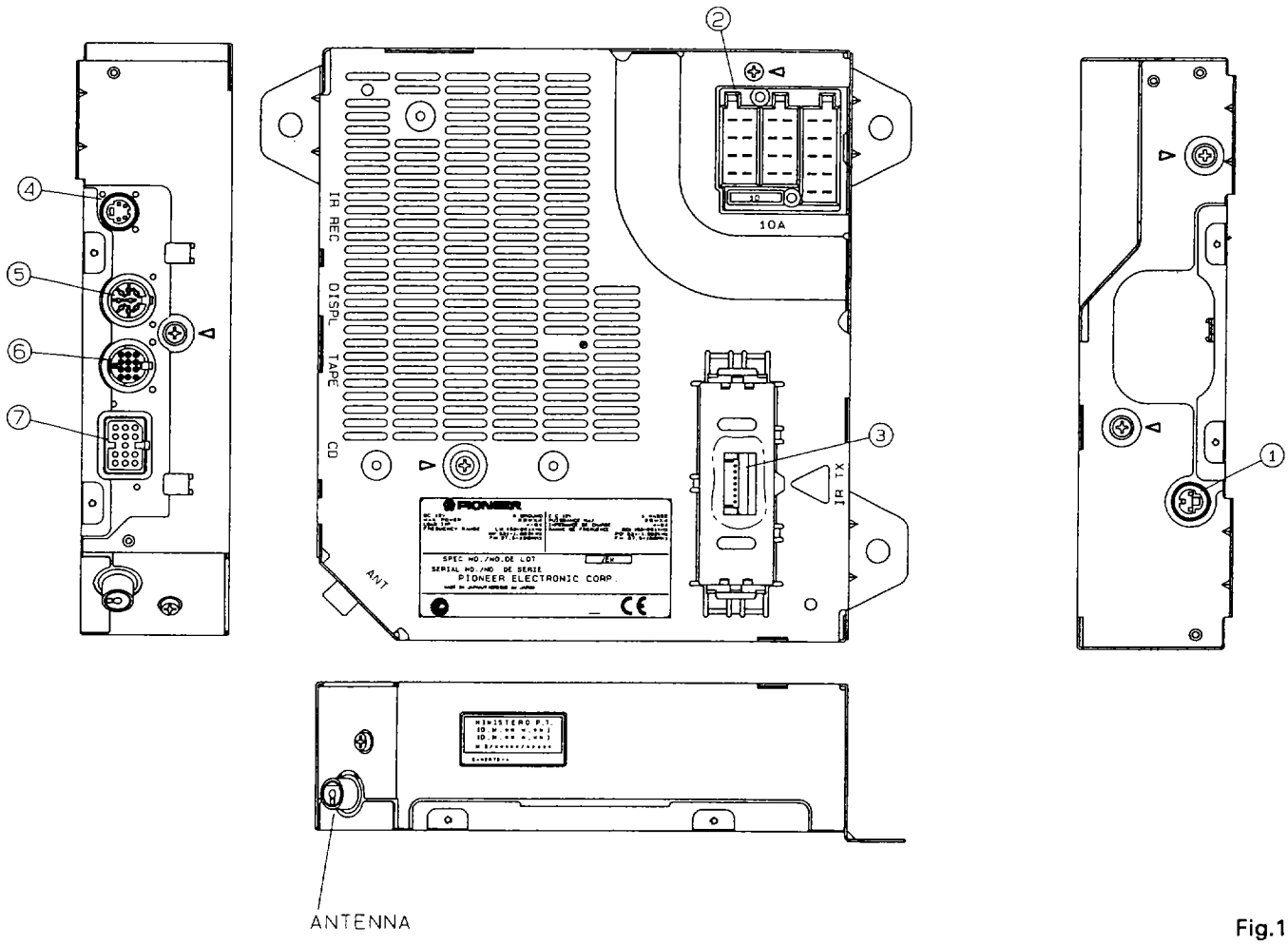
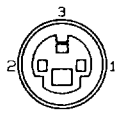
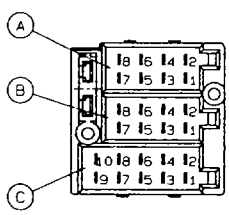


Fig.1



3P

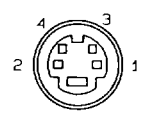
1.IR TX	
1	L OUT
2	R OUT
3	SW +B



ISO 26P

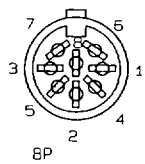
2	
A1	N.C
A2	N.C
A3	TEL MUTE
A4	BACK UP
A5	N.C
A6	N.C
A7	ACC+
A8	GND
B1	R.R+
B2	R.R-
B3	F.R+
B4	F.R-
B5	F.L+
B6	F.L-
B7	R.L+
B8	R.L-
C1	N.C
C2	N.C
C3	N.C
C4	GND
C5	L0
C6	IN2
C7	L1
C8	IN0
C9	L5
C10	IN1

3	
7	LFB -8.5V
6	R OUT
5	L OUT
4	GND
3	SGND
2	R IN
1	L IN



IR 4P

4.IR REC	
1	GND
2	SW VDD
3	REMIN
4	N.C

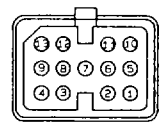


8P

5.DISPL	
1	GND
2	BDATA
3	BSCK
4	BRXEN
5	BSET
6	BINH
7	GND
8	GND

K7 13P

6.TAPE	
1	DK GND
2	DK L
3	DK GND
4	DK R
5	BUS GND
6	BUS GND
7	DMUTE
8	GND
9	BSRQ
10	BRST
11	BRXEN
12	BDATA
13	BSCK



CD 13P

7.CD	
6	CD GND
5	CD L
11	CD GND
10	CD R
1	BUS GND
2	BUS GND
7	SW +B
3	BUS GND
4	BSRQ
8	BRST
9	BRXEN
12	BSCK
13	BDATA

Fig.2

4. ADJUSTMENT

● Connection Diagram

NOTE:

Select C1 so that total capacity of 80pF is attained from the direction of the receiver jack.

Z: Output impedance of SSG.

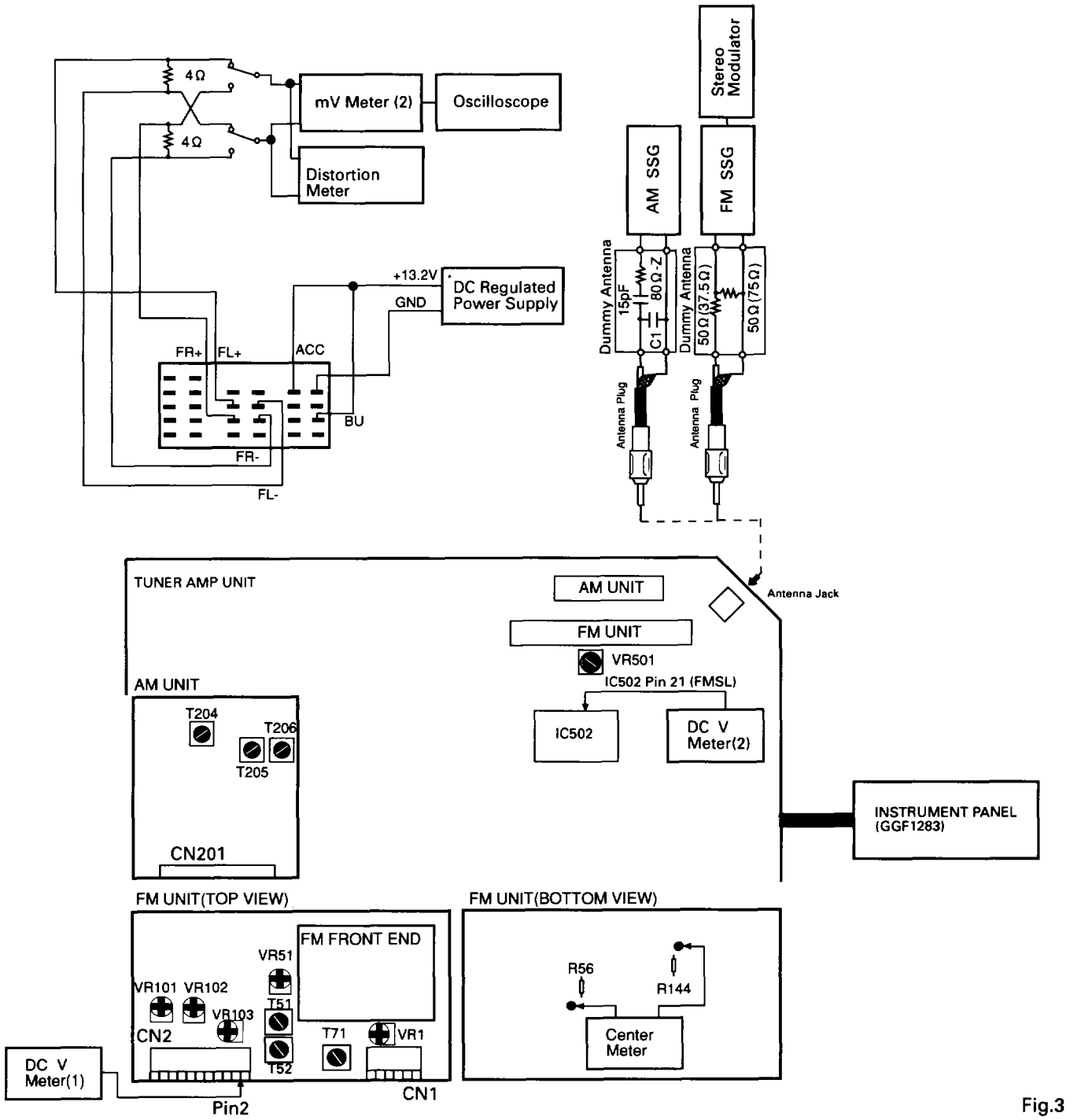


Fig.3

AM ADJUSTMENT

	No.	AM SSG(400Hz,30%) Frequency(kHz)	AM SSG(400Hz,30%) Level(dBμV)	Displayed Frequency(kHz)	Adjustment Point	Adjustment Method (Switch Position)
IF	1	999	15	999	T204,T205 T206	mV Meter(2) : Maximum

FM ADJUSTMENT

Modulation M1:MONO MOD., 400Hz 30%(22.5kHz Dev.)
M2:MONO MOD., 400Hz 100%(75kHz Dev.)
S1:STEREO MOD., 1kHz, L or R=30%(20.25kHz+7.5kHz Dev.)
S2:STEREO MOD., 1kHz, L or R=90%(60.75kHz+7.5kHz Dev.)

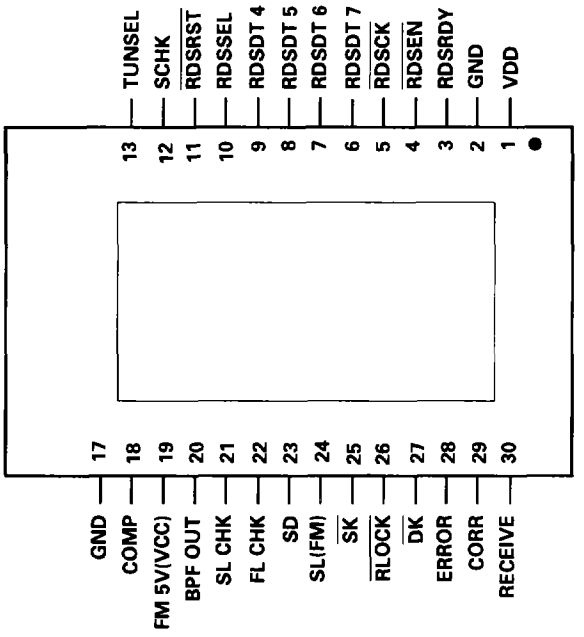
	No.	FM SSG Frequency(MHz)	FM SSG Level(dBf)	Displayed Frequency(MHz)	Adjustment Point	Adjustment Method (Switch Position)
IF	1	98.1 M2	65	98.1	T51	Center Meter : 0
	2	98.1 M2	65	98.1	T52	Distortion Meter : minimum
	3	Repeat No.1–2 alternately so that the center meter indicates the 0 output and distortion meter indicates the minimum output.				
	4	98.1 S2	65	98.1	T71	Distortion Meter : minimum
Max.	1	98.1 M1	65	98.1	–	mV Meter(2) : A
Mute	2	98.1 M1	-∞	98.1	VR102	mV Meter(2) : A-20dB
ARC	1	98.1 S1	38	98.1	VR101	mV Meter(2) : Separation 5dB
Separation	2	98.1 S1	65	98.1	VR103	mV Meter(2) : Separation Maximum
SD	1	98.1 M1	22 ± 1	98.1	VR51	DC V Meter(1) : Approx. 5V (SEEK ON)
LOC.H ATT.	1	98.1 M1	34 ± 1	98.1	VR1	DC V Meter(1) : Approx. 5V (LOC.H ON, SEEK ON)

FMSL ADJUSTMENT MONO MOD., 400Hz 100%(75kHz Dev.)

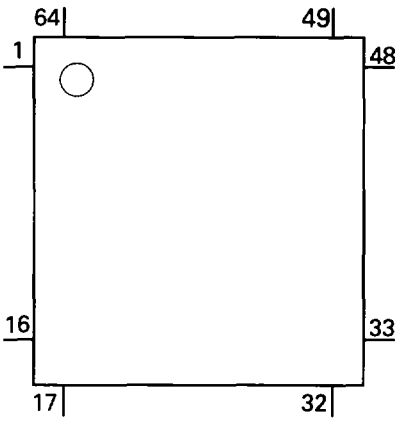
	No.	FM SSG Frequency(MHz)	FM SSG Level(dBf)	Displayed Frequency(MHz)	Adjustment Point	Adjustment Method (Switch Position)
FMSL	1	106.1	45	106.1	VR501	DC V Meter(2) : 2.25V ± 0.05V

5. IC INFORMATION

CWV1065



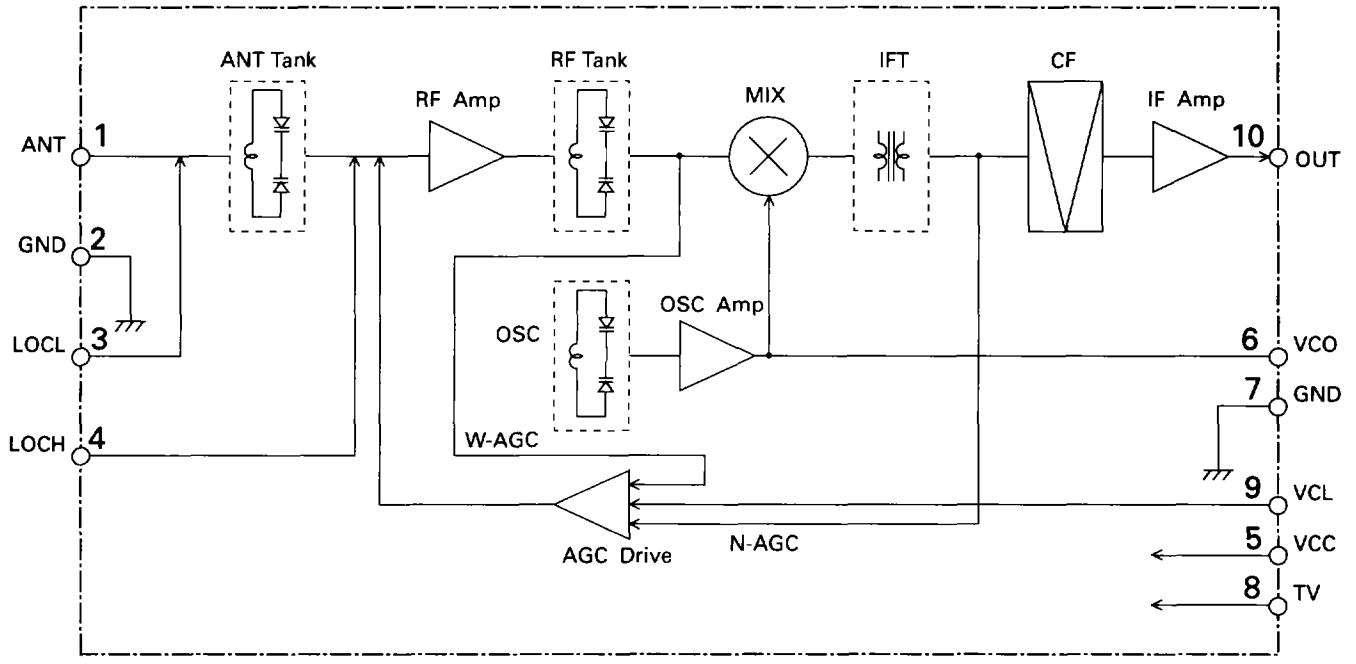
*PD4528B



Format	Meaning
C	C MOS

IC's marked by are MOS type.*
Be careful in handling them because they are very liable to be damaged by electrostatic induction.

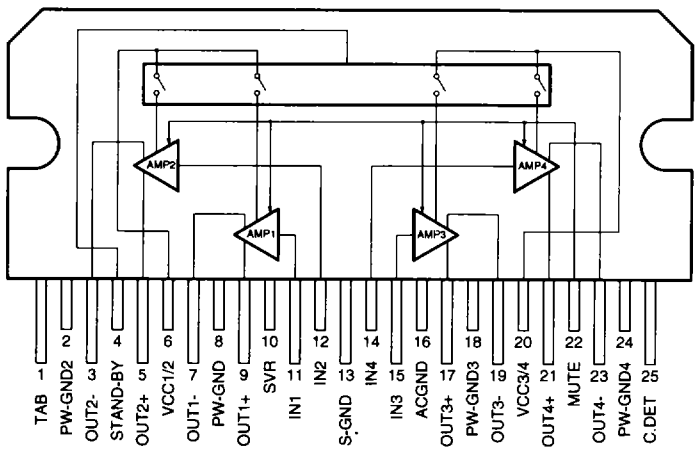
FM Front End(CWB1074)



● **Pin Functions (PD4528B)**

Pin No.	Pin Name	I/O	Format	Function and Operation
1	$\overline{\text{AVPW}}$	O	C	A Vref watching terminal
2	PEE	O	C	Beep tone output
3	$\overline{\text{BRXEN}}$	I/O	C	Communication reception enable input/output
4	$\overline{\text{BINH}}$	O	C	Communication data input inhibit
5	A/$\overline{\text{B}}$	I		Model select
6	$\overline{\text{AUXMUTE}}$	O	C	AUX mute
7	MUTE	O	C	Synthesis mute output
8	BSET	O	C	BUS communication reset output
9	VSS			GND
10-12	NC			Not used
13	$\overline{\text{BRST}}$	O	C	Reset output
14	ACCMUTE	O	C	ACC off mute
15	SYSPW	O	C	System power control output
16	PCE	O	C	PLL chip enable output
17	$\overline{\text{AM}}$/FM	O	C	AM/FM select output
18	$\overline{\text{BSRQ}}$	I		BUS serial pole request input
19	RDSSEL	O	C	Select output for RDS IC
20	$\overline{\text{RDSRST}}$	O	C	Reset output for RDS IC
21	$\overline{\text{RDSEN}}$	O	C	Enable output for RDS IC
22,23	$\overline{\text{KDT0,1}}$	I		Key data 0,1
24	VSS			GND
25	$\overline{\text{KDT2}}$	I		Key data 2
26	NC			Not used
27-29	$\overline{\text{KST0-2}}$	O	C	Key strobe 0-2
30	NC			Not used
31	VDT	O	C	Data output for electronic volume
32	VST	O	C	Strobe pulse output for electronic volume
33	VCK	O	C	Clock output for electronic volume
34	$\overline{\text{TMUTE}}$	O	C	Tuner mute output
35	RESET	I		Reset
36	REMIN	I		Remote control pulse input
37	$\overline{\text{BSENS}}$	I		Back up power sense input
38	$\overline{\text{ASENS}}$	I		ACC power sense input
39	$\overline{\text{8VSENS}}$	I		8V sense input
40	VDD			Power supply
41	X2			Crystal oscillator connection pin
42	X1			Crystal oscillator connection pin
43	IC			Connect to GND
44	NC			Not used
45	XT1			Connect to GND
46	AVSS			A/D GND
47	SDLEV	I		Tuner SD level detector input
48	NC			Not used
49	NC			Not used
50	PDI	I		Data input from PLL IC
51	RDSRDY	I		Ready input from RDS IC
52	SD	I		SD input
53	$\overline{\text{TESTIN}}$	I		Test program mode input
54	TELMUT	I		Telephone mute signal input
55	AVDD			Positive power supply terminal for analog circuit
56	AVREF	I		Reference voltage
57	RDSDTI	I		Serial data input for RDS IC
58	RDSDTO	O		Serial data output for RDS IC
59	$\overline{\text{RDSCK}}$	I/O	C	Serial clock input/output for RDS IC
60	PDO	O	C	Data output for PLL IC
61	PCK	O	C	Serial clock output for PLL IC
62	BSI	I		Communication serial data input
63	BSO	O		Communication data output
64	$\overline{\text{BSCK}}$	I/O	C	Communication serial clock input/output

TDA7385



6. ELECTRICAL PARTS LIST

NOTE:

- Parts whose parts numbers are omitted are subject to being not supplied.
- The part numbers shown below indicate chip components.

Chip Resistor

RS1/○S○○○J,RS1/○○S○○○J

Chip Capacitor (except for CQS.....)

CKS....., CCS....., CSZS.....

=====Circuit Symbol & No.	Part Name=====	Part No.
Unit Number : CWA1089		
Unit Name : AM Unit		
MISCELLANEOUS		
IC 201		PAF001A
Q 201		2SK435
Q 202		2SC4116
Q 203 231		DTC124EU
Q 204		2SC2412K
D 201		MA157
D 204		MA157
D 205		SVC203CP
L 201	Inductor	CTF1287
L 202	Coil	CTB1082
L 203	Inductor	LAU390K
L 204	Ferri-Inductor	LAU680K
L 205	Ferri-Inductor	LAU4R7K
L 206	Inductor	CTF1198
T 203	Coil	CTB1040
T 204	Coil	CTE1120
T 205	Coil	CTE1038
T 206	Coil	CTE1072
CF 201		CTF1262
CF 202	Filter	CTF1085
X 201	Crystal Resonator 10.26MHz	CSS1111

=====Circuit Symbol & No.	Part Name=====	Part No.
RESISTORS		
R 201		RS1/10S220J
R 202 232		RS1/10S102J
R 203		RS1/10S222J
R 204		RS1/10S473J
R 205 209		RS1/10S470J
R 207		RS1/10S822J
R 211 237		RS1/16S103J
R 212		RS1/10S103J
R 214		RS1/16S222J
R 231		RS1/10S823J
R 233		RS1/16S222J
R 235		RS1/10S104J
R 236 238 241 242		RS1/10S103J
R 239		RS1/10S152J
R 240		RS1/10S333J
R 243		RS1/16S152J
R 244		RS1/16S242J
R 249		RS1/10S225J
CAPACITORS		
C 201		CKSQYB103K25
C 202		CKSRYB332K50
C 203		CSZA3R3M16
C 204 208		CKSRYB223K25
C 205		CCSRCH120J50

=====Circuit Symbol & No. Part Name=====		Part No.
C 206		CCSQCH560J50
C 207		CCSQCH680J50
C 211 235		CEAR47M50LL
C 212		CKSQYB332K50
C 213		CCSQCH330J50
C 215 233		CKSQYB473K16
C 216 232 241		CKSRYB103K50
C 220		CCSQCH430J50
C 221		CCSQCH120J50
C 224 229		CEA470M16LL
C 225 226		CKSQYB333K25
C 231		CCSQCH100D50
C 234 244		CKSQYB103K25
C 236		CEA0R1M50LL
C 237		CEA4R7M35LL
C 238		CEA3R3M50LL
C 239		CKSQYB223K25
C 242		CCSQCH030C50

Unit Number : CWE1437
Unit Name : FM Unit

MISCELLANEOUS

IC 51		PA4021A
Q 1		DTC124EU
Q 2		DTC124EU
Q 3		2SA1586
Q 5 51		DTC124EU
Q 71 171		2SC4116
Q 123		2SC4116
L 1 51	Ferri-Inductor	LAU150K
L 2	Inductor	LCTBR33K2125
L 71		LAU3R9K
L 101	Inductor	LCTA102K4532
T 51	Coil	CTE1111
T 52	Coil	CTE1022
T 71	Coil	CTE1043
TH 51	Thermistor	CCX1024
TH 102	Thermistor	CCX1015
CF 52 53	Filter	CTF1057
X 151	Ceramic Resonator 456kHz	CSS1055
VR 1	Semi-fixed 22kΩ(B)	CCP1183
VR 51	Semi-fixed 10kΩ(B)	CCP1181
VR 101	Semi-fixed 68kΩ(B)	CCP1186
VR 102	Semi-fixed 33kΩ(B)	CCP1184
VR 103	Semi-fixed 1kΩ(B)	CCP1175
	FM Front End	CWB1074

RESISTORS

R 3	RS1/10S123J
R 4 75	RS1/10S102J
R 5	RS1/10S223J
R 6 10 12	RS1/10S0R0J
R 7	RD1/4PU560J
R 23 61	RS1/10S682J
R 24 72 105	RS1/10S123J
R 25	RS1/10S243J
R 54	RS1/10S822J
R 56 173	RS1/10S473J
R 57	RS1/10S472J
R 58	RS1/16S203J
R 59	RS1/16S331J
R 60	RS1/10S273J
R 73	RS1/10S103J
R 74	RS1/10S331J
R 76	RS1/10S121J
R 101	RS1/16S681J
R 102	RS1/16S223J
R 104	RS1/10S103J

=====Circuit Symbol & No. Part Name=====	Part No.
R 106 154 172	RS1/10S104J
R 108	RS1/10S333J
R 111	RS1/10S183J
R 121	RS1/10S473J
R 122	RS1/10S104J
R 123	RS1/10S154J
R 127	RS1/10S333J
R 143	RS1/10S393J
R 144	RS1/10S333J
R 146 174	RS1/10S153J
R 151 152	RS1/10S392J
R 153	RS1/10S222J
R 180	RS1/10S105J

CAPACITORS

C 1 111	CEA100M16LL
C 2 59 74 129	CKSQYB473K16
C 5	CKSQYB472K50
C 10 54	CCSQCH101K50
C 21 72 73 80 104 172	CKSQYB103K25
C 51	CKSQYB473K16
C 52 53 61	CKSRYB223K25
C 57	CSZSR33M35
C 58	CCSQCH040C50
C 60	CEA100M10NPLL
C 101	CKSRYB682K50
C 102	CKSQYB682K50
C 103	CKSQYB272K50
C 105	CEA1R5M50LL
C 106	CEA0R1M50LL
C 107	CKSRYB222K50
C 108	CKSQYB222K50
C 110	CKSYB224K16
C 112	CKSYB183K25
C 122	CKSQYB104K16
C 124	CSZS1R5M10
C 128	CKSQYB332K50
C 151 152	CKSQYB153K25
C 153	CKSYB474K16
C 154 155 156	CEA3R3M50LL
C 157	CEA101M10LL
C 171	CKSQYB563K25
C 173	CKSQYB104K16
C 180	CEA2R2M50LL

Unit Number : CWM3726
Unit Name : Tuner Amp Unit

MISCELLANEOUS

IC 451 452	UPC4570G
IC 501	LC72140M
IC 502	CWV1065
IC 553	TDA7385
IC 701	PD4528B
IC 751	PMJ002A
IC 901	PA2023A
IC 902	PAJ001A
Q 451 452 453 454	DTC143TK
Q 455 456 701 702 703	DTA114EK
Q 458 459 856 857 858 859	DTC343TK
Q 502 504 507	2SC2712
Q 503	2SK208
Q 505	2SK208
Q 506 851 907	DTC124EK
Q 508 509 510	2SC2712
Q 511 855	DTA114EK
Q 512	DTC124EK
Q 852 853	DTC343TK
Q 861 862	DTC343TK

=====Circuit Symbol & No. Part Name=====										Part No.
Q	904	908								2SC2712
Q	905									DTC114TK
Q	906									2SA1358
D	458	852	853							MA151WA
D	501	502								MA3027
D	503	504	505	906						MA151WK
D	506	908								MA3047
D	560	561	563	901						ERA15-02VH
D	562									ERC05-10BE3
D	651	652	653	654	655	656	657	701		MA153
D	702	907								MA151A
D	851									MA151WA
D	854									MA151WK
D	904									MA3043
D	905									MA151A
L	501				Inductor					LCTA101K4532
L	502	503			Inductor					LPSQ2R2K
L	552				Choke Coil0.3mH					CTH1075
L	601				Inductor					LPSQ2R2K
L	701				Inductor					LPSQ2R2K
L	703				Inductor					LPSQ2R2K
X	501				Crystal 4.5MHz					CSS1011
X	701				Ceramic Resonator4.190MHz					CSS1361
VR	501				Semi-fixed 2.2kΩ(B)					CCP1150
					AM Unit					CWA1089
					FM Unit					CWE1437
					Fuse 10A					CEK1136
AR	501									DSP-201M

RESISTORS

R	451	452	514	539	919							RS1/10S102J
R	453	454	541	542	671	704	705	918				RS1/10S473J
R	455	456	771									RS1/10S152J
R	457	458										RS1/10S682J
R	461	462	463	464	467	468	479	480	702	871		RS1/10S223J
R	465	466										RS1/10S122J
R	469	470										RS1/10S273J
R	477	478	709									RS1/10S273J
R	485	622										RS1/10S223J
R	506	509	521	522	546							RS1/10S472J
R	507	511	516	517	518	519	537	540	909			RS1/10S102J
R	508											RS1/10S152J
R	510											RS1/10S103J
R	512											RS1/10S222J
R	513	531	532	604	605	606	607	875	876	877		RS1/10S222J
R	523											RS1/10S0R0J
R	530	601	602	603	608	620	621	623	624			RS1/10S473J
R	533											RS1/10S393J
R	534											RS1/10S153J
R	538	549										RS1/10S151J
R	543	544										RS1/10S182J
R	545	908										RS1/10S683J
R	548											RS1/10S393J
R	555	701	864	865								RS1/10S103J
R	565											RS1/8S103J
R	566	567	568	569	570	571	651	652	653	654		RS1/10S471J
R	572											RS1/2S102J
R	612											RS1/10S563J
R	617	656	657	721								RS1/10S471J
R	625	703	716	717	718	719	772					RS1/10S473J
R	655											RS1/10S471J
R	658	661	662	663								RS1/10S103J
R	659	660										RS1/10S682J
R	664	665	666	667	668	669	670					RS1/10S221J
R	672	673	674	675	676							RS1/10S2R2J

=====Circuit Symbol & No. Part Name=====										Part No.
R	710									RS1/10S391J
R	720									RS1/10S105J
R	722	723								RS1/8S181J
R	730									RS1/10S473J
R	751	752								RS1/10S101J
R	753	754								RS1/10S273J
R	755	756								RS1/10S681J
R	763	764								RS1/10S332J
R	766	767	768							RS1/10S472J
R	769									RS1/10S153J
R	770									RS1/10S123J
R	773									RS1/10S471J
R	796									RS1/10S0R0J
R	857	858								RS1/10S104J
R	859	860								RS1/10S332J
R	866									RS1/10S331J
R	867	868								RS1/10S393J
R	872	873	874							RS1/10S223J
R	878									RS1/10S222J
R	879	880								RS1/10S562J
R	881	882								RS1/10S0R0J
R	883									RS1/10S392J
R	884	885								RS1/10S272J
R	886									RS1/10S220J
R	901	905								RS1/10S154J
R	902									RS1/10S623J
R	903	907								RS1/10S124J
R	904									RS1/10S513J
R	906									RS1/10S563J
R	913									RS1/10S102J
R	914									RS1/10S153J
R	915									RS1/10S152J
R	916									RS1/10S223J
R	917									RS1/10S472J
R	920									RS1/10S272J
R	921									RS1/10S122J

CAPACITORS

C	451	452	856									CEAS2R2M50
C	453	454	506	775	776							CCSQCH101J50
C	461	462	523	753	754	759	760	777	778	779		CEAS100M50
C	504	515	519									CCSQCH101J50
C	507				4.7μF/16V							CCH1005
C	508	511	517	525	527							CKSQYB103K50
C	509	914	916									CKSQYB473K50
C	510											CFTNA474J50
C	512											CEASR47M50
C	513	514										CCSQCH120J50
C	516	794										CEAS4R7M50
C	518	520										CKSQYB223K50
C	522											CKSQYB102K50
C	524	871	872	873	874	907						CEASR22M50
C	531	532										CKSQYB103K50
C	551	863	864	865	866	905						CEAS010M50
C	555											CEAS100M50
C	556											CEASR22M50
C	566											CKCYF473Z50
C	567	568										CEAS332M16
C	569	576										CKCYF473Z50
C	570	571	572	573	574	575						CKSQYB102K50
C	651	652	653									CKSQYF104Z25
C	701	710	711	712								CKSQYB473K50
C	707											CKSQYB222K50

=====Circuit Symbol & No. Part Name=====	Part No.
C 751 752	CKSQYB152K50
C 755 756	CKSQYB272K50
C 757 758	CEAS2R2M50
C 761 762	CKSQYB183K25
C 763 764	CCSQCH221J50
C 765 766	CKSQYF224Z25
C 767 768	CKSQYB332K50
C 771 772 790 791 792 793	CEA2R2M50NPLL
C 773 774	CKSQYB333K25
C 780 781	CKSQYF104Z25
C 782	CKSQYB103K50
C 795	CEAS100M16
C 855 876 877	CEAS100M50
C 861	CEAS3R3M50
C 878 879	CKSQYB104K16
C 901	CEAS331M10
C 902	CASA680K10
C 903	CEAS101M16
C 904 909 911	CEAS470M10
C 906	CEAS222M16
C 912	CASA2R2M16
C 913	CASA220M10
C 917	CEAS330M10
C 918	CEAS470M10

Unit Number : CWM3733
Unit Name : Equalizer Unit

MISCELLANEOUS

IC 251 252 253 254	NJM2068MD1
Q 251 252 255 256 259 260 261 262	2SC2412KLN
Q 257 258 263 264	2SC2412KLN

RESISTORS

R 251 252 289 290	RS1/10S473J
R 253 254 288 291 292	RS1/10S472J
R 255 256	RS1/10S123J
R 257 258 295 296 303 304 319	RS1/10S683J
R 259 260 297 298 305 306	RS1/10S122J
R 261 262 299 300 307 308	RS1/10S332J
R 263 264	RS1/10S222J
R 265 266 321 322	RS1/10S472J
R 267 268	RS1/10S182J
R 271 272	RS1/10S103J
R 273 274 281 282 311 312 320	RS1/10S683J
R 275 276 283 284 313 314	RS1/10S122J
R 277 278 279 280 285 286 315 316	RS1/10S332J
R 287 317 318	RS1/10S472J
R 293 294	RS1/10S821J
R 301 302	RS1/10S101J
R 309 310	RS1/10S152J
R 323 324	RS1/10S152J

CAPACITORS

C 251 252	CQEA274J63
C 253 254	CKSQYB183K25
C 255 256	CKSQYB821K50
C 257 258	CKSQYB821K50
C 259 260 261 262 273 274	CQEA154J63
C 263 264	CKSQYB272K50
C 265 266	CKSQYB392K50
C 267 282	CKSQYB821K50
C 268 281	CKSQYB821K50
C 269 270	CQEA474J63
C 271 272 275 276	CKSQYB333K50
C 277 278	CKSQYB822K50
C 279 280	CKSQYB103K50

7. BLOCK DIAGRAM

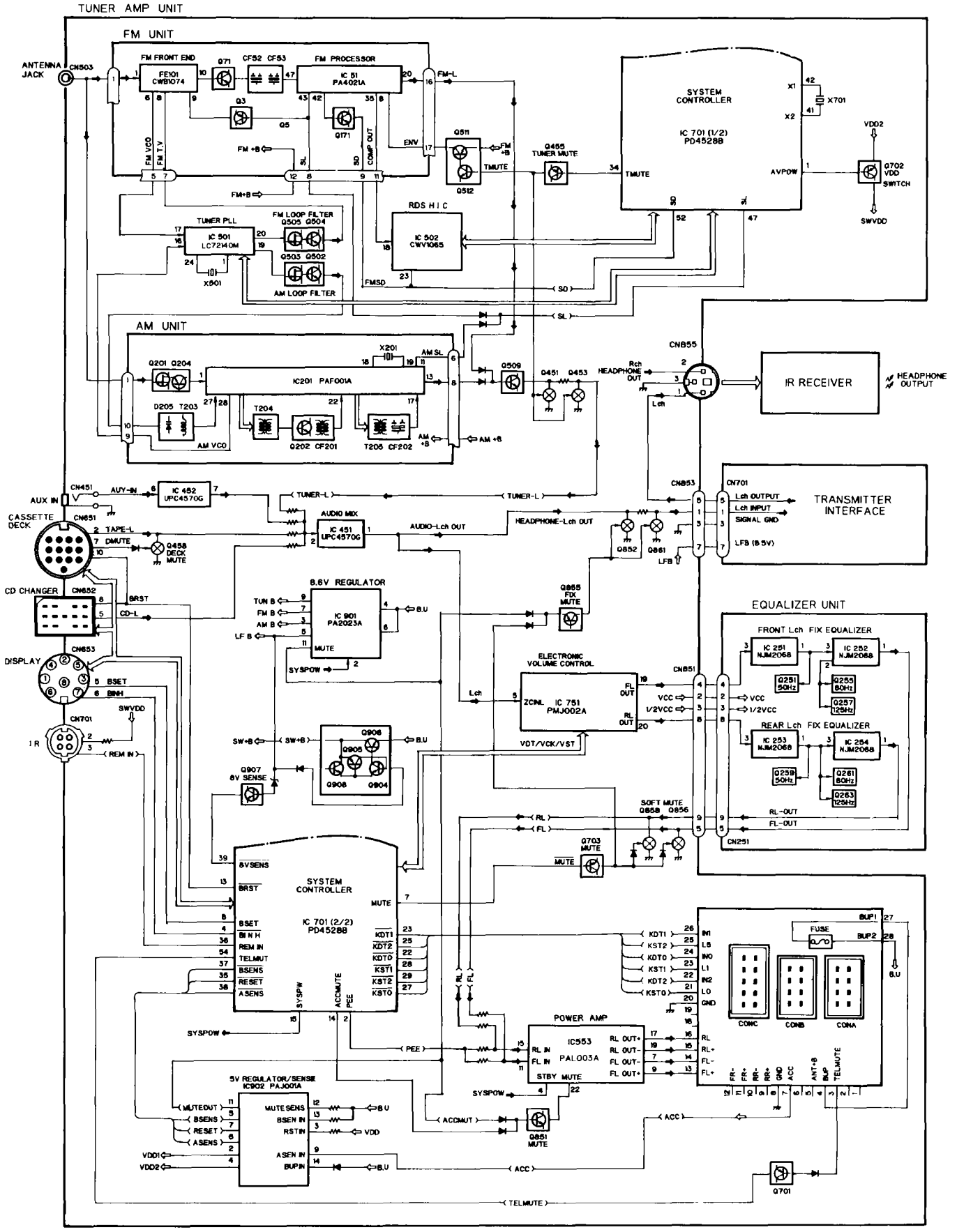


Fig.4

NOTE:
The parts mounted on this PCB include all necessary parts for several destinations.
For further information for respective destinations, be sure to check with the schematic diagram.

8. CONNECTION DIAGRAM

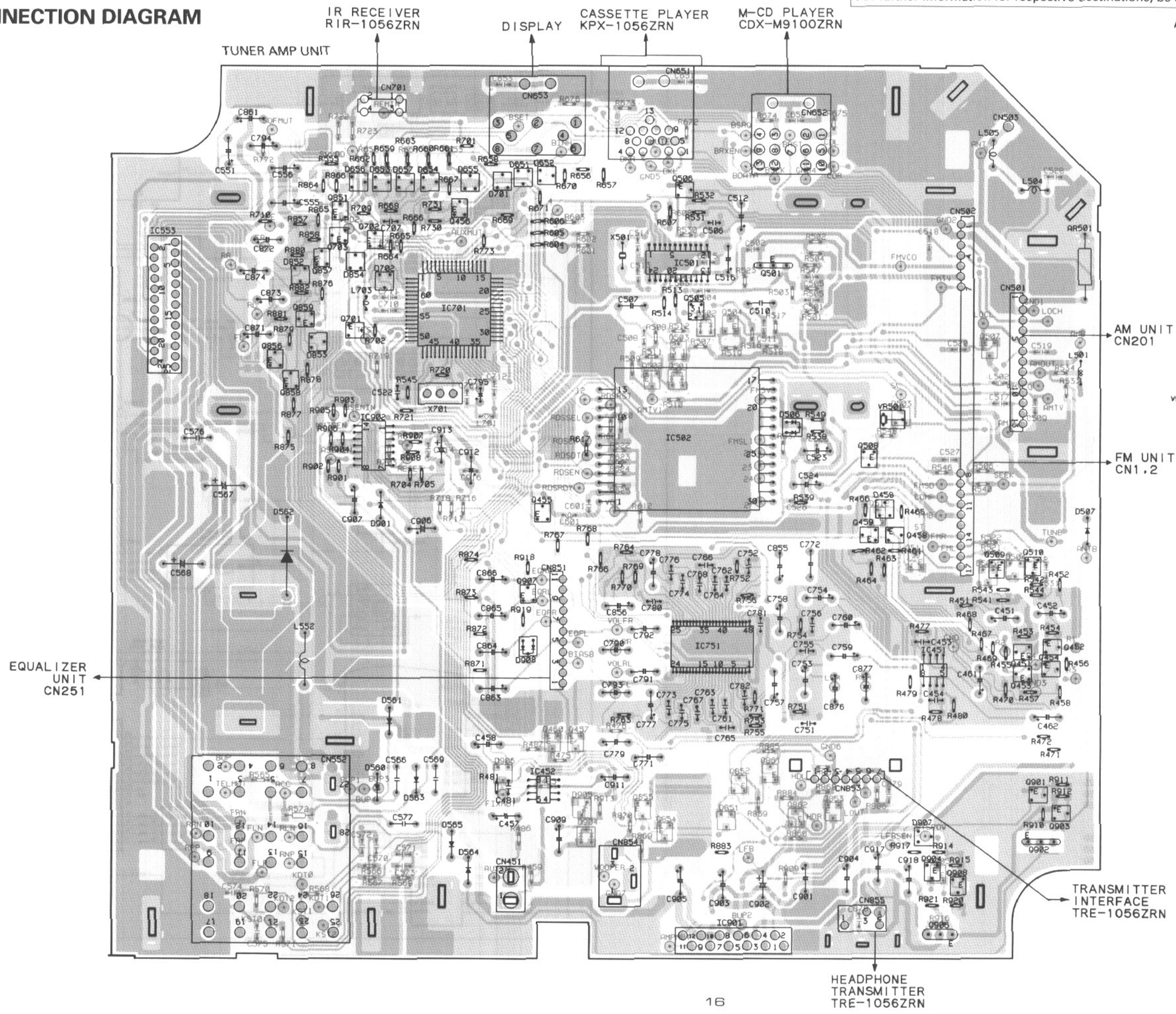


Fig.5

9. SCHEMATIC CIRCUIT DIAGRAM

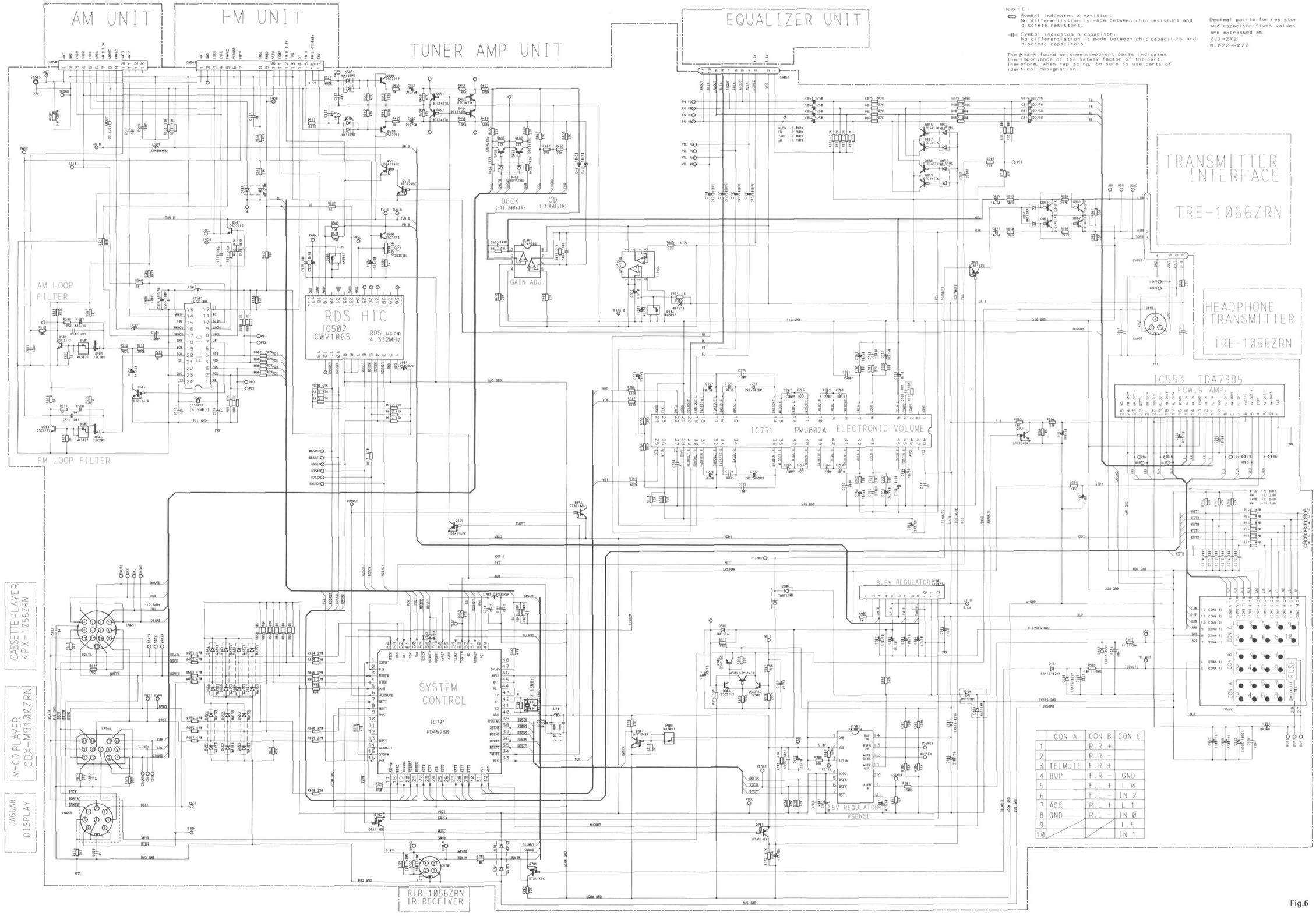


Fig.6

10. CIRCUIT DIAGRAM AND PATTERN

10.1 EQUALIZER UNIT

● **Circuit Diagram**

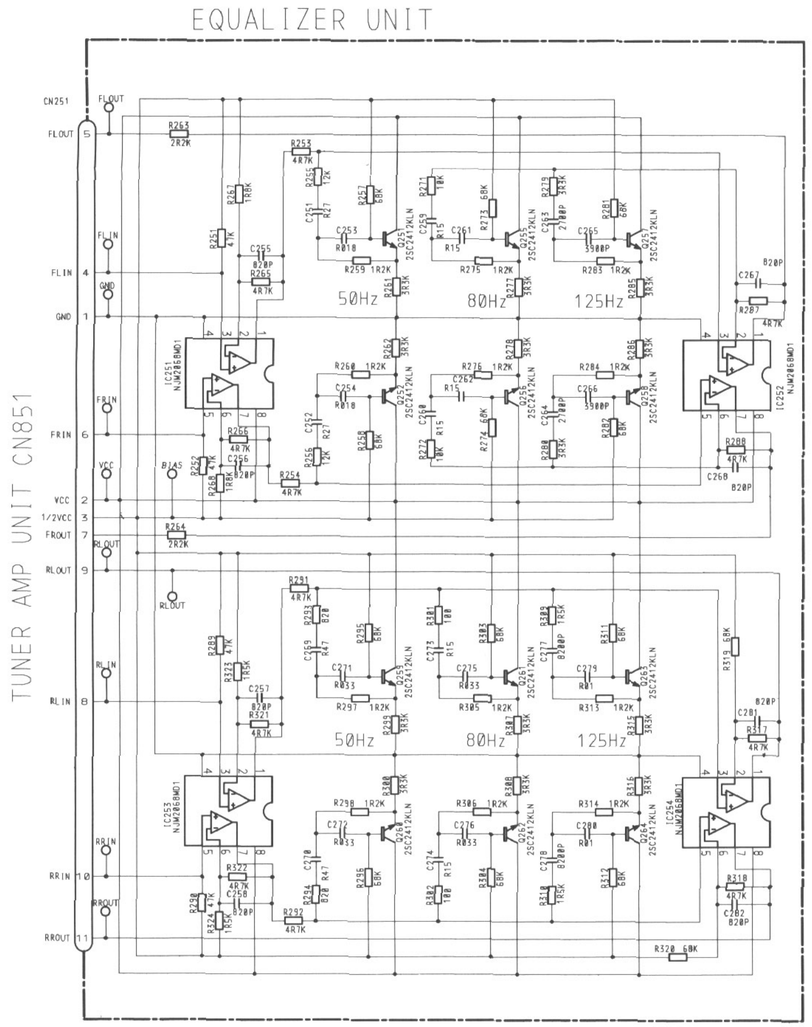
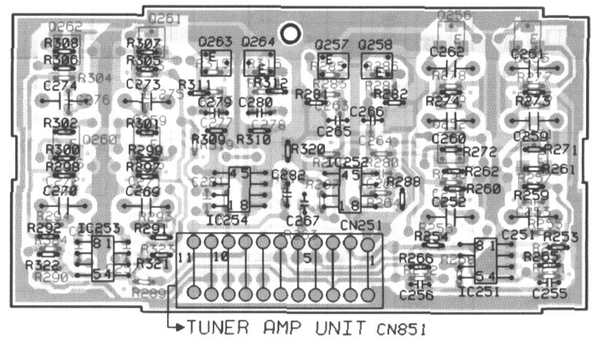


Fig.7

NOTE:
The parts mounted on this PCB include all necessary parts for several destinations.
For further information for respective destinations, be sure to check with the schematic diagram.

● **Connection Diagram**



ADJ	IC, Q
Q261 Q256 Q255 Q263 Q264 Q257	
Q262 Q258	
Q260 Q259 Q252 Q251	
IC254	IC252
IC253	IC251

Fig.8

10.2 FM UNIT

● **Connection Diagram**

IC, Q	Q2	Q1	Q5	Q3	Q71	Q51 Q123 Q171 IC51			
ADJ	VR1		T71		VR51	T51 T52	VR103	VR102	VR101

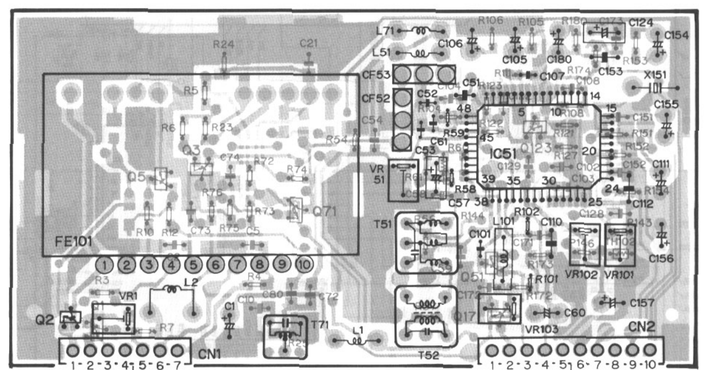


Fig.9

● **Circuit Diagram**

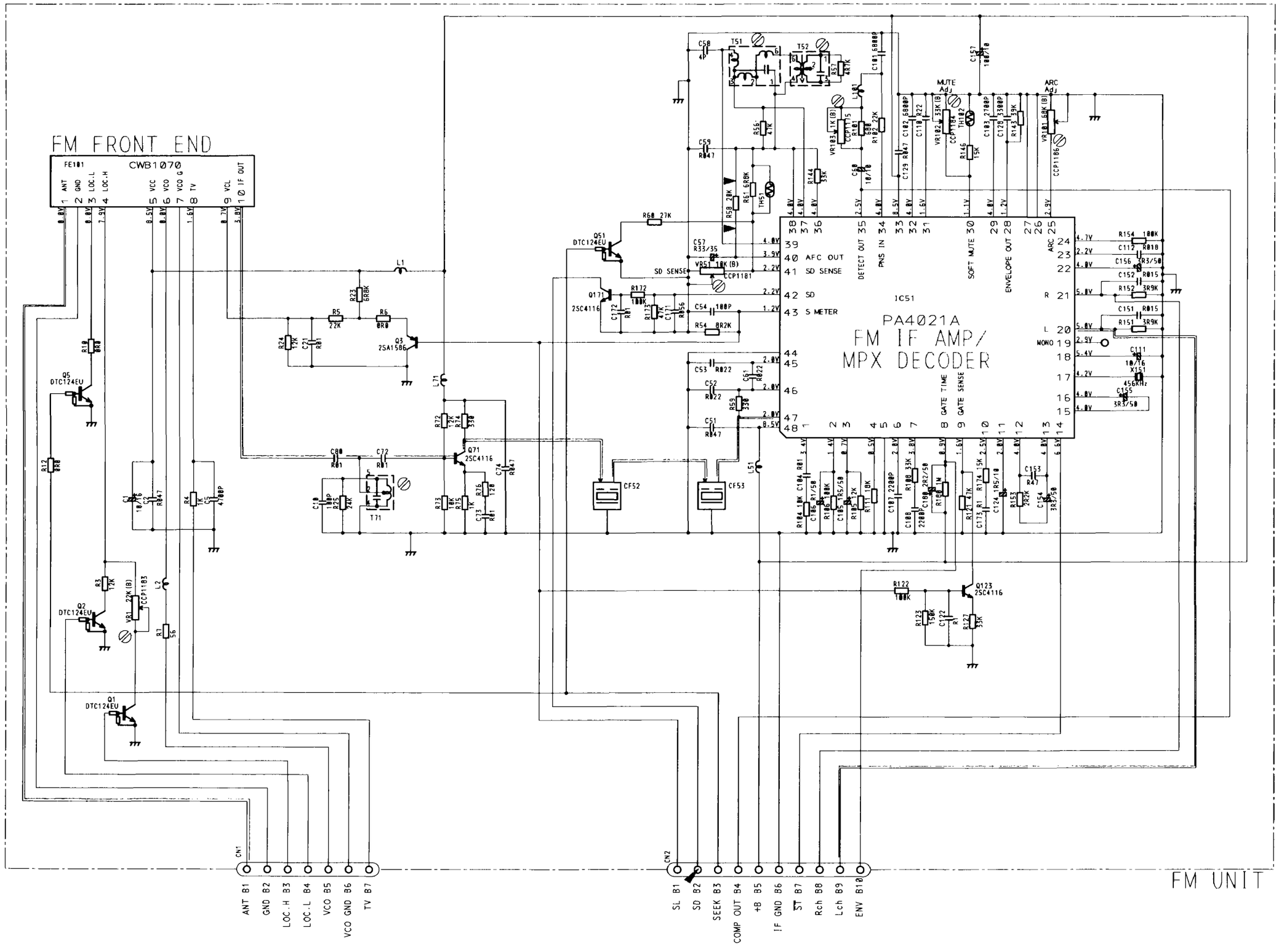
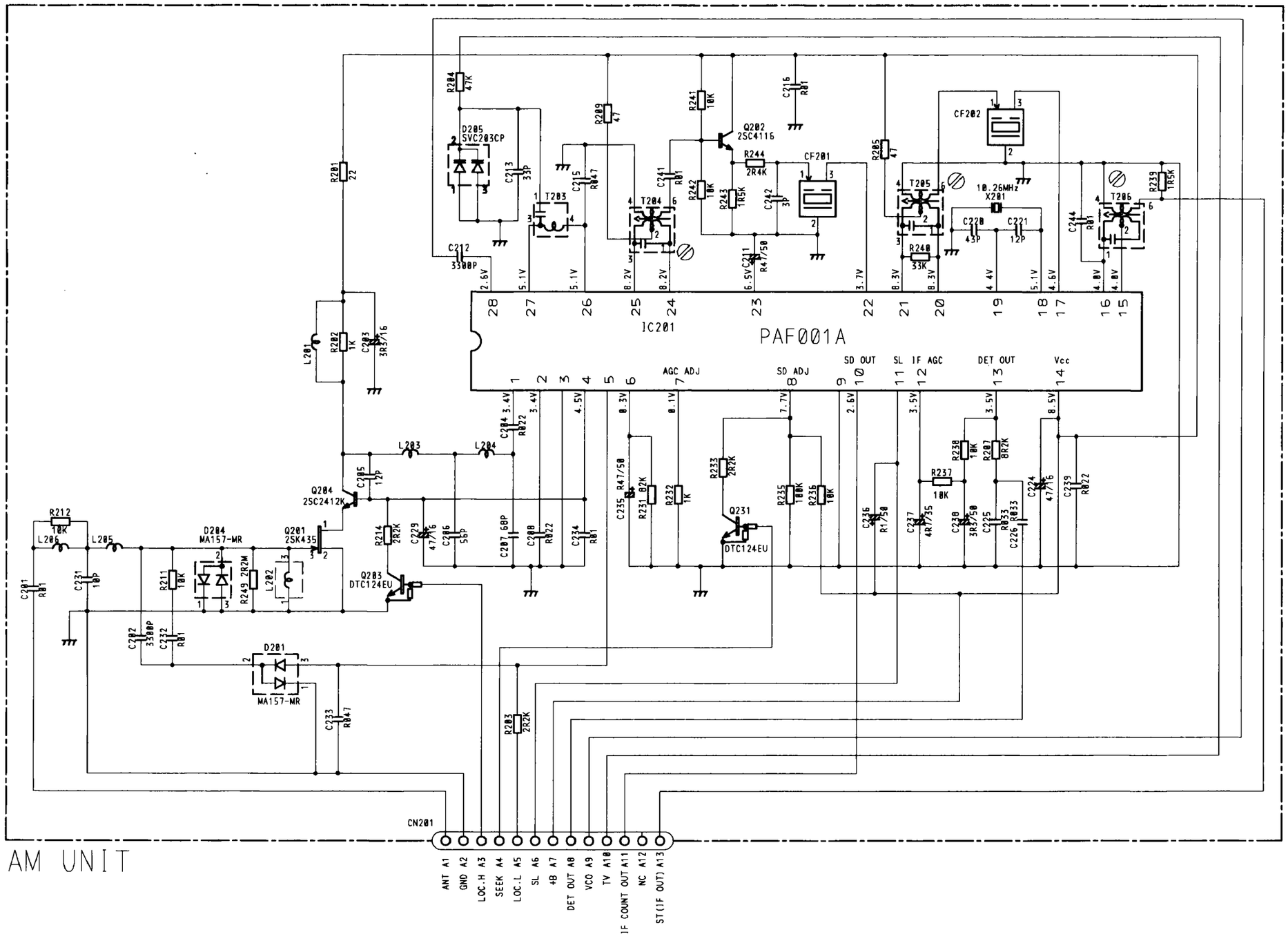


Fig.10

10.3 AM UNIT

● **Circuit Diagram**



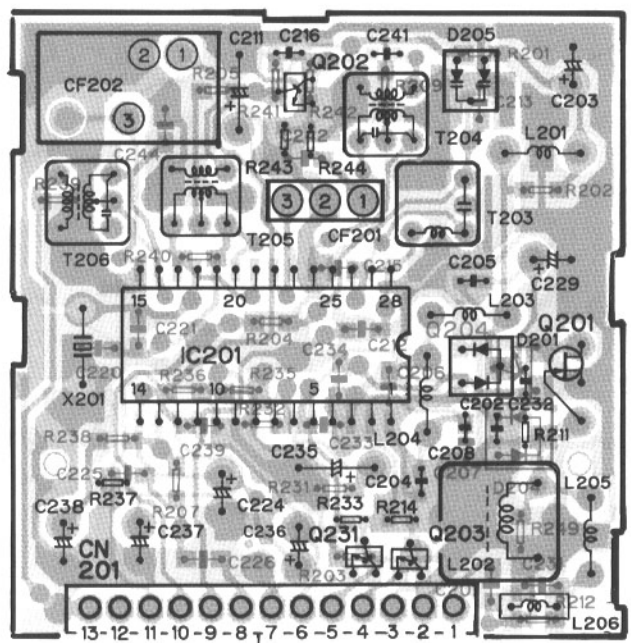
TUNER AMP UNIT CN501

Fig.11

● Connection Diagram

Q202
IC, Q IC201 Q231 Q203 Q204 Q201

ADJ T206 T205 T204 T203 L202



TUNER AMP UNIT
CN501

Fig.12

NOTE:

The parts mounted on this PCB include all necessary parts for several destinations.
For further information for respective destinations, be sure to check with the schematic diagram.

11. EXPLODED VIEW AND PARTS LIST

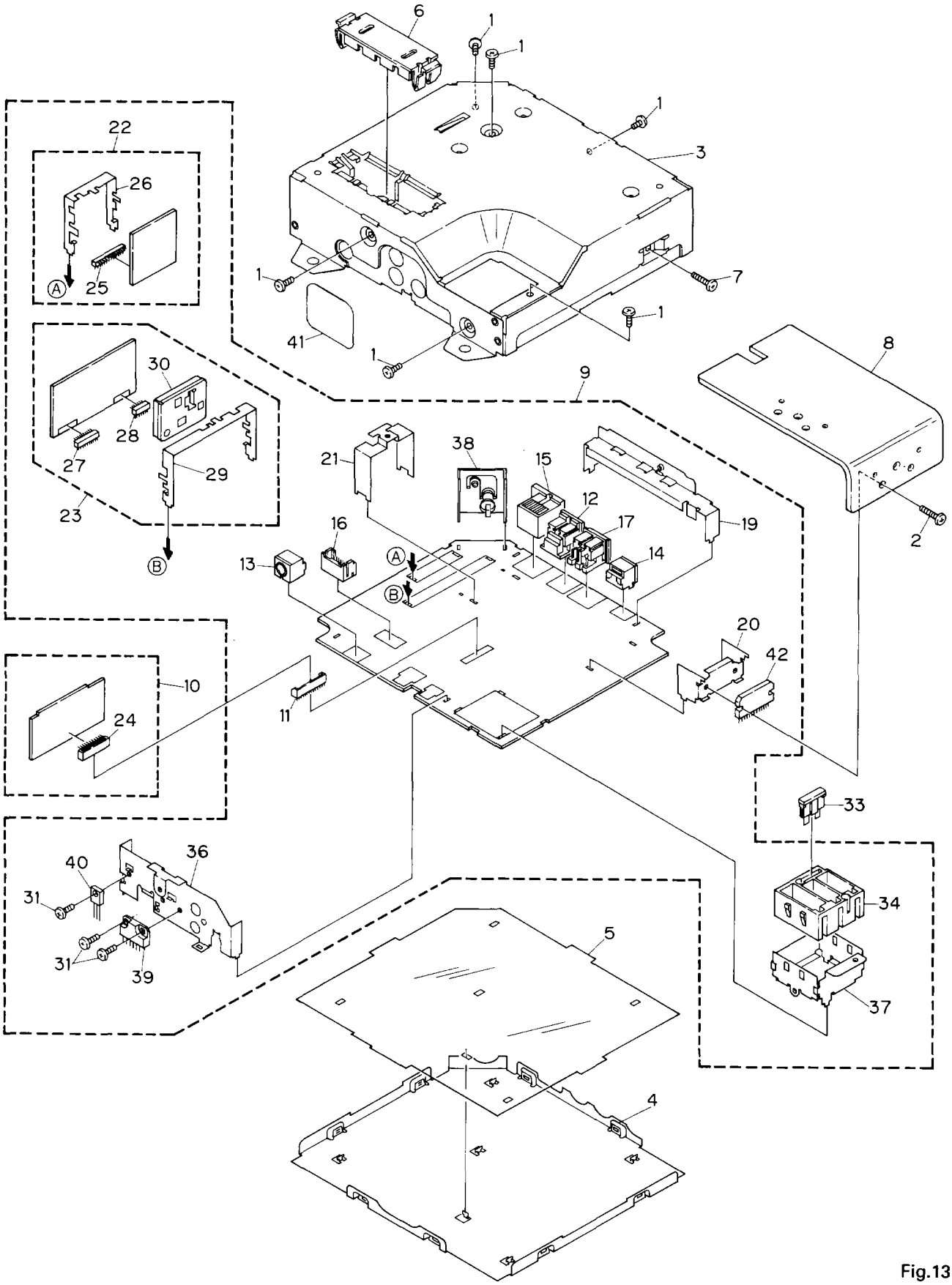


Fig.13

● Parts List

Mark No.	Description	Part No.
1	Screw	BMZ30P060FMC
2	Screw	BMZ30P140FMC
3	Chassis	CNA1570
4	Case	CNB1780
5	Insulator	CNM3864
6	Cover	CNS4018
7	Screw	BMZ30P140FMC
8	Heat Sink	CNC5434
9	Tuner Amp Unit	CWM3724
10	Equalizer Unit	CWM3733
11	Plug(CN851)	CKS-650
12	Connector(CN651)	CKS3180
13	Connector(CN855)	CKS3181
14	Connector(CN701)	CKS3182
15	DIN Socket(CN652)	CKS3185
16	Connector(CN853)	CKS3186
17	DIN Socket(CN653)	CKS3189
18	•••••	
19	Holder	CNC5105
20	Holder	CNC5107
21	Holder	CNC5433
22	AM Unit	CWA1089
23	FM Unit	CWE1437
24	Connector(CN251)	CKS-669
25	Plug(CN201)	CKS1621

Mark No.	Description	Part No.
26	Holder	CNC4667
27	Plug(CN2)	CKS1607
28	Plug(CN1)	CKS1616
29	Holder	CNC4666
30	FM Front End	CWB1074
31	Screw	BMZ30P060FMC
32	•••••	
33	Fuse(10A)	CEK1136
34	Connector(CN552)	CKM1088
35	•••••	
36	Holder	CNC5106
37	Holder	CNC5435
38	Holder Unit	CXA6151
39	IC(IC901)	PA2023A
40	Transistor(Q906)	2SA1358
41	Cover	CNM4166
42	IC(IC553)	TDA7385

12. PACKING METHOD

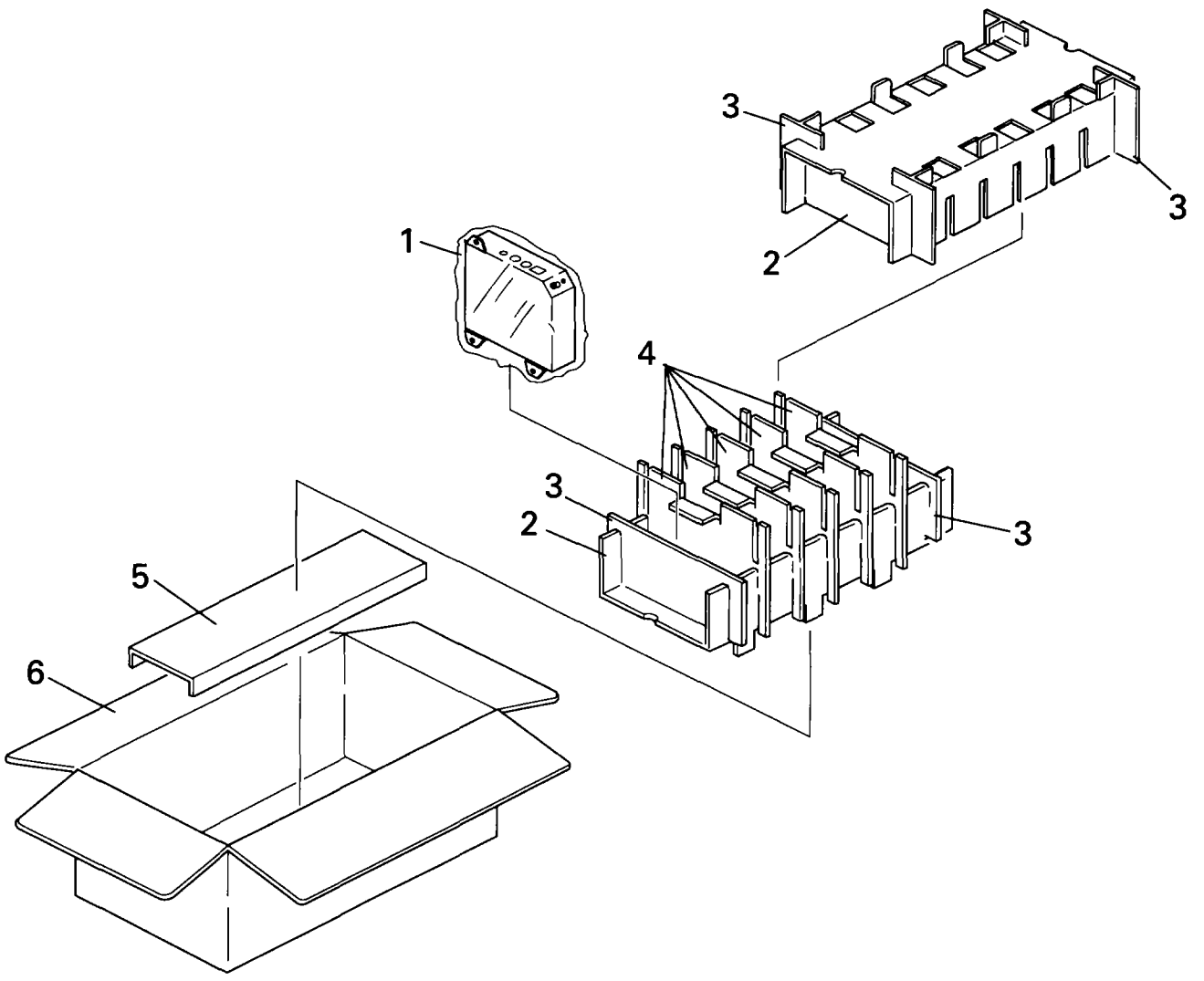


Fig.14

● **Parts List**

*:Non Spare Part

Mark	No.	Description	Part No.
	1	Polyethylene Bag	CEG-162
	2	Protector	CHP1723
	3	Protector	CHP1844
	4	Protector	CHP1845
*	5	Protector	CHP1857
	6	Contain Box	CHL3074

Service Manual

PIONEER
The Art of Entertainment
RENAULT

ORDER NO.
CRT1909

SYSTEM CONTROL UNIT

SCU-2056ZRN X1B/EW

VEHICLE	DESTINATION	PRODUCED AFTER	RENAULT PART No.	ID No.	PIONEER MODEL No.
MATRA ESPACE	EUROPE	JULY 1996	6025 30 1081	——	SCU-2056ZRN/X1B/EW

● **This additional service manual is designed to be used together with Model SCU-2056ZRN/EW Service Manual CRT1908. Refer to it for finding parts numbers and adjustment,etc. which are not shown in this manual.**

EXPLODED VIEW AND PARTS LIST

● **Parts List(Page 23)**

Mark	No.	Description	SCU-2056ZRN/EW Part No.	SCU-2056ZRN/X1B/EW Part No.
	9	Tuner Amp Unit	CWM3724	UWM3724
	10	Equalizer Unit	CWM3733	UWM3733

PIONEER ELECTRONIC CORPORATION 4-1, Meguro 1-Chome, Meguro-ku, Tokyo 153, Japan
PIONEER ELECTRONICS SERVICE INC. P.O.Box 1760, Long Beach, CA 90801-1760 U.S.A.
PIONEER ELECTRONIC [EUROPE] N.V. Haven 1087 Keetberglaan 1, 9120 Melsele, Belgium
PIONEER ELECTRONICS ASIACENTRE PTE.LTD. 501 Orchard Road, #10-00, Lane Crawford Place, Singapore 0923

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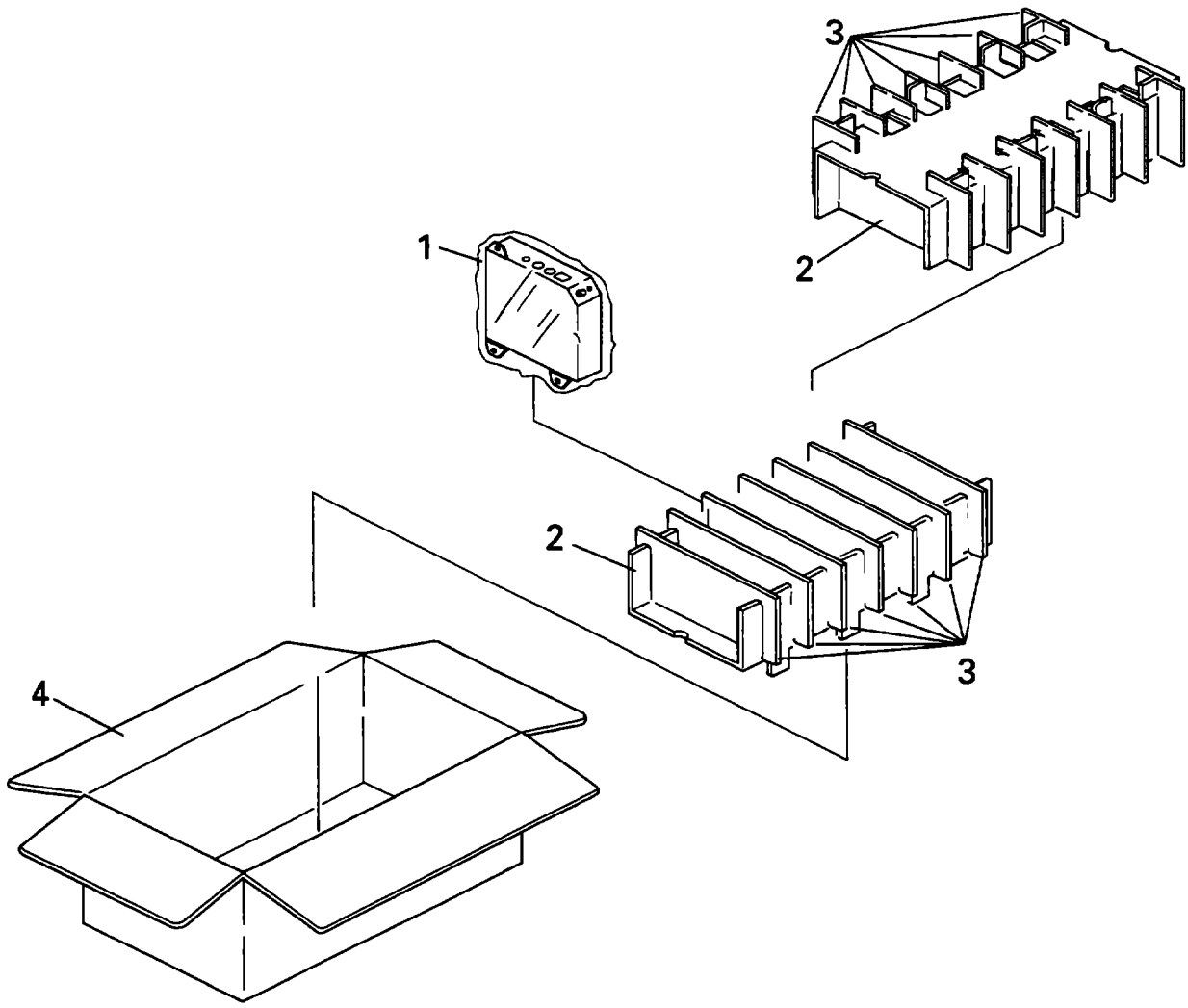
K-ZFS. JULY 1996 Printed in Japan

PACKING METHOD



● **Parts List**

Mark No.	Description	Part No.
1	Polyethylene Bag	UEG-002
2	Protector	UHP1723
3	Protector	UHP1724
4	Contain Box	UHL2664